

# Apex Labs

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Wednesday, March 10, 2010

Ame LeCocq  
Oil Re-Refining Co.  
4150 N. Suttle Rd.  
Portland, OR 97217

RE: PCB Tanks / [none]

Enclosed are the results of analyses for work order A10C057, which was received by the laboratory on 3/4/2010 at 4:04:00PM.

Thank you for using Apex Labs. We appreciate your business and strive to provide the highest quality services to the environmental industry.

If you have any questions concerning this report or the services we offer, please feel free to contact me by email at: [pnerenberg@apex-labs.com](mailto:pnerenberg@apex-labs.com), or by phone at 503-718-2323.

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Philip Nerenberg, Lab Director

Oil Re-Refining Co.  
4150 N. Suttle Rd.  
Portland, OR 97217

Project: **PCB Tanks**  
Project Number: [none]  
Project Manager: Ame LeCocq

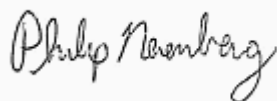
Reported:  
03/10/10 10:20

## ANALYTICAL REPORT FOR SAMPLES

### SAMPLE INFORMATION

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
TK18-02	A10C057-01	Oil	03/04/10 14:01	03/04/10 16:04
TK18-03	A10C057-02	Oil	03/04/10 15:00	03/04/10 16:04

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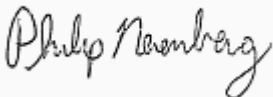
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## ANALYTICAL SAMPLE RESULTS

## Polychlorinated Biphenyls by EPA 8082A

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Date Analyzed	Method	Notes
<b>TK18-02 (A10C057-01)</b>		<b>Matrix: Oil</b>		<b>Batch: 1003084</b>				
Aroclor 1016	ND	---	0.708	mg/kg	1	03/04/10 16:50	EPA 8082A	
Aroclor 1221	ND	---	0.708	"	"	"	"	
Aroclor 1232	ND	---	0.708	"	"	"	"	
Aroclor 1242	ND	---	0.708	"	"	"	"	
Aroclor 1248	ND	---	0.708	"	"	"	"	
Aroclor 1254	ND	---	0.708	"	"	"	"	
Aroclor 1260	ND	---	0.708	"	"	"	"	
<i>Surrogate: 2,4,5,6-TCMX (Surr)</i>		<i>Recovery: 70 %</i>		<i>Limits: 50-125 %</i>		"	"	"
<i>Decachlorobiphenyl (Surr)</i>		<i>80 %</i>		<i>Limits: 55-130 %</i>		"	"	"
<b>TK18-03 (A10C057-02)</b>		<b>Matrix: Oil</b>		<b>Batch: 1003084</b>				
Aroclor 1016	ND	---	0.622	mg/kg	1	03/04/10 17:04	EPA 8082A	
Aroclor 1221	ND	---	0.622	"	"	"	"	
Aroclor 1232	ND	---	0.622	"	"	"	"	
Aroclor 1242	ND	---	0.622	"	"	"	"	
Aroclor 1248	ND	---	0.622	"	"	"	"	
Aroclor 1254	ND	---	0.622	"	"	"	"	
Aroclor 1260	ND	---	0.622	"	"	"	"	
<i>Surrogate: 2,4,5,6-TCMX (Surr)</i>		<i>Recovery: 63 %</i>		<i>Limits: 50-125 %</i>		"	"	"
<i>Decachlorobiphenyl (Surr)</i>		<i>72 %</i>		<i>Limits: 55-130 %</i>		"	"	"

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## QUALITY CONTROL (QC) SAMPLE RESULTS

## Polychlorinated Biphenyls by EPA 8082A

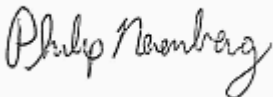
Analyte	Result	MDL	Reporting Limit	Units	Dil.	Spike Amount	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1003084 - EPA 3580A						Oil						
Blank (1003084-BLK1)				Prepared: 03/04/10 09:43		Analyzed: 03/04/10 10:26						
EPA 8082A												
Aroclor 1016	ND	---	0.882	mg/kg	1	---	---	---	---	---	---	
Aroclor 1221	ND	---	0.882	"	"	---	---	---	---	---	---	
Aroclor 1232	ND	---	0.882	"	"	---	---	---	---	---	---	
Aroclor 1242	ND	---	0.882	"	"	---	---	---	---	---	---	
Aroclor 1248	ND	---	0.882	"	"	---	---	---	---	---	---	
Aroclor 1254	ND	---	0.882	"	"	---	---	---	---	---	---	
Aroclor 1260	ND	---	0.882	"	"	---	---	---	---	---	---	
Surr: 2,4,5,6-TCMX (Surr)			Recovery: 72 %	Limits: 50-125 %		Dilution: 1x						
Decachlorobiphenyl (Surr)			91 %	55-130 %		"						

## LCS (1003084-BS1)

Prepared: 03/04/10 09:43 Analyzed: 03/04/10 10:40

EPA 8082A												
Aroclor 1016	12.1	---	0.937	mg/kg	1	15.6	---	78	40-140%	---	---	
Aroclor 1260	16.9	---	0.937	"	"	"	---	108	60-130%	---	---	
Surr: 2,4,5,6-TCMX (Surr)			Recovery: 80 %	Limits: 50-125 %		Dilution: 1x						
Decachlorobiphenyl (Surr)			103 %	55-130 %		"						

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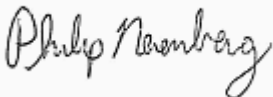
## SAMPLE PREPARATION INFORMATION

### Polychlorinated Biphenyls by EPA 8082A

#### Prep: EPA 3580A

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
Batch: 1003084							
A10C057-01	Oil	EPA 8082A	03/04/10 14:01	03/04/10 16:00	0.212g/5mL	0.15g/5mL	0.71
A10C057-02	Oil	EPA 8082A	03/04/10 15:00	03/04/10 16:00	0.241g/5mL	0.15g/5mL	0.62

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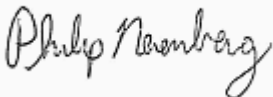
## Notes and Definitions

### Qualifiers:

### Notes and Conventions:

DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis. Results listed as 'wet' or without 'dry' designation are not dry weight corrected.
RPD	Relative Percent Difference
MDL	If MDL is not listed, data has been evaluated to the Method Reporting Limit only.
WMSC	Water Miscible Solvent Correction has been applied to Results and MRLs for volatiles soil samples per EPA 8000C.
Batch QC	Unless specifically requested, this report contains only results for Batch QC derived from client samples included in this report. All analyses were performed with the appropriate Batch QC (including Sample Duplicates, Matrix Spikes and/or Matrix Spike Duplicates) in order to meet or exceed method and regulatory requirements. Any exceptions to this will be qualified in this report. Complete Batch QC results are available upon request. In cases where there is insufficient sample provided for Sample Duplicates and/or Matrix Spikes, a Lab Control Sample Duplicate (LCS Dup) is analyzed to demonstrate accuracy and precision of the extraction and analysis.
Blank Policy	Apex assesses blank data for potential high bias down to a level equal to ½ the method reporting limit (MRL), except for conventional chemistry and HCID analyses which are assessed only to the MRL. Sample results flagged with a B or B-02 qualifier are potentially biased high if they are less than ten times the level found in the blank for inorganic analyses or less than five times the level found in the blank for organic analyses.  For accurate comparison of volatile results to the level found in the blank; water sample results should be divided by the dilution factor, and soil sample results should be divided by 1/50 of the sample dilution to account for the sample prep factor.  Results qualified as reported below the MRL may include a potential high bias if associated with a B or B-02 qualified blank. B and B-02 qualifications are not applied to J qualified results reported below the MRL.

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[illegible]

Philip Neumberg